Figure 3a. Diagram of valley fill geometry. Arrows indicate relative location and direction of transect lines on the valley fill and into the adjacent forest remnant. Darker line indicates how the 12 *continuous* transects were run from mined land to remnant forest.

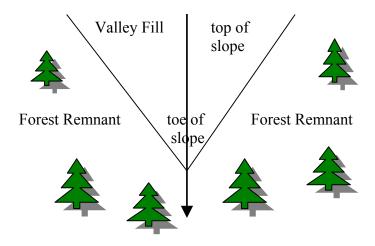


Figure 3b. Diagram of valley fill geometry when continuous line could not be run. Arrows indicate relative location and direction of transect lines on the valley fill and into the adjacent forest remnant. Darker lines indicates how the mined transect and forest transect were run. Only one forest transect was run, either on the left or the right, not both.

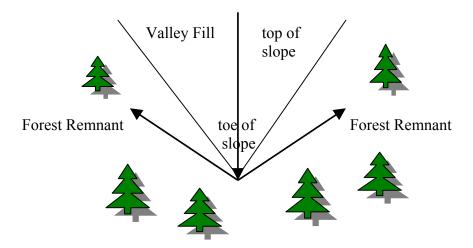


Figure 18. Diagram of mining activity eliminating toe of slope, compared to an intact forest's position of toe. This situation is hypothetical. All values are arbitrary. Dashed line indicates valley fill. Brackets indicate area sampled.

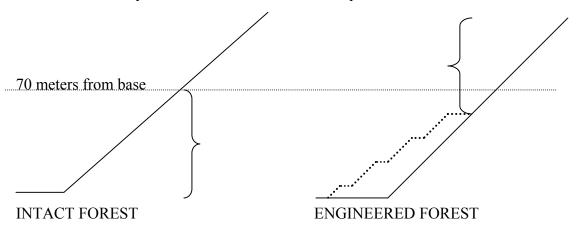


Table 7b. List of West Virginia spring herbaceous species observed on three valley fills. \* indicates alien/non-native species.

Alliaria petiolata\* Garlic mustard
Asarum canadense Wild ginger
Aster sp. Aster species
Brassicaceae Mustard species
Coronilla varia\* Crown vetch
Galium aparine Cleavers

Galium tinctorum Clayton's bedstraw Grass sp. Grass species Lamium purpureum\* Purple dead nettle Lespedeza bicolor\* Bush clover Phlox sp. Phlox species Polygonum sp. Polygonum species Polystichum acrostichoides Christmas fern Potentilla canadensis Dwarf cinquefoil Ranunculus sp. Buttercup species

Silene virginicaFire pinkStellaria puberaStar chickweedTrifolium sp.\*Clover speciesTussilago farfara\*Coltsfoot

Unk. Dandelion-like milky weed

Vicia carolinianaWood vetchViola sp.Violet speciesWaldsteinia fragarioidesBarren strawberryZizia aureaGolden Alexanders